

577

102-30-045-21252
1-30-045-11447

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DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICOOperator Melidian Location: Unit G Sec. 15 Twp 32 Rng 11

Name of Well/Wells or Pipeline Serviced _____

MARK MADDOX #100 F#1 2186-WElevation _____ Completion Date 9/25/91 Total Depth 380' Land Type FCasing Strings, Sizes, Types & Depths 87' OF 8" PVC AND USED20 SACKS OF CEMENTIf Casing Strings are cemented, show amounts & types used 87' OF8" PVC WITH 20 SACKS CEMENT

If Cement or Bentonite Plugs have been placed, show depths & amounts used

NONE

Depths & thickness of water zones with description of water: Fresh, Clear,

Salty, Sulphur, Etc. FRESH, HOT WATER AT 160'Depths gas encountered: NONEGround bed depth with type & amount of coke breeze used: Ground bedDEPTH 380' 42 SACKS LORESCO (4200#) + 30 SACKS ASBURY (1500#)Depths anodes placed: 365', 355', 345', 285', 275', 265', 220', 210', 200', 190', 180', + 170'Depths vent pipes placed: SURFACE TO 380'Vent pipe perforations: 120' TO 380'

Remarks: _____

RECEIVED

FEB 24 1992

OIL CON. DIV.
DIST. 2

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS#	P/L NAME(S), NUMBER(S)					DATE	NAME
2186W	MAIN MADDY #102 & #1					9/25/91	JOHN L. MOSS
WO #	TOTAL	VOLTS	AMPS	- OHMS			
1337		12.1	27.7				

REMARKS (notes for construction log)

Drilled 380' Bottom 260' of Vent Pipe was Perforated.
 HIT WATER AT 160'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100			295	1.8		490			685			
105			300	1.7		495			690			
110			305	1.8		500			695			
115			310	2.0		505			700			
120			315	2.1		510			ANODE	DEPTH	NO	FULLY
125	2.7		320	2.2		515			*	COKE	COKE	COKE
130	2.4		325	2.2		520			1	365	4.3	6.9
135	1.9		330	1.9		525			2	355	2.5	6.0
140	2.0		335	2.1		530			3	345	4.6	6.7
145	1.9		340	3.7		535			4	285	3.4	5.6
150	.9		345	4.5	3	540			5	275	3.3	6.0
155	1.1		350	4.2		545			6	265	3.3	5.9
160	2.3		355	3.2	2	550			7	220	4.0	7.0
165	2.9		360	3.7		555			8	210	4.0	7.2
170	3.1	12	365	4.3	1	560			9	200	5.1	8.4
175	3.9		370	3.7		565			10	190	3.5	6.9
180	3.7	11	375	3.1		570			11	180	3.8	6.8
185	3.1		380	3.0		575			12	170	3.4	6.4
190	3.4	10	385			580			13			
195	4.7		390			585			14			
200	4.8	9	395			590			15			
205	4.1		400			595			16			
210	3.9	8	405			600			17			
215	2.8		410			605			18			
220	4.1	7	415			610			19			
225	4.4		420			615			20			
230	3.8		425			620			21			
235	3.1		430			625			22			
240	2.8		435			630			23			
245	2.5		440			635			24			
250	1.9		445			640			25			
255	1.7		450			645			26			
260	2.0		455			650			27			
265	3.3	6	460			655			28			
270	3.0		465			660			29			
275	3.1	5	470			665			30			
280	3.4		475			670						
285	3.4	4	480			675						
290	2.4		485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor

copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910930-1E

2186W

Company <u>MEKIDIAN OIL</u>		Sample No.		Date Sampled <u>9-25-91</u>	
Field		Legal Description <u>G-15-32-11</u>		County or Parish <u>SAN JUAN</u>	
Lease or Unit		Well <u>MARK MADDOX #10 & #1</u>		Depth <u>160'</u>	
Type of Water (Produced, Supply, etc.) <u>PRODUCED</u>		Formation <u>WATER TABLE</u>		Water, B/D	
Sampling Point <u>C.P. DEEPWELL GROUND BEN</u>		Sampled By <u>JOHN L. MOSS</u>		State <u>N.M.</u>	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<u>810</u>	<u>35</u>
Calcium, Ca	<u>160</u>	<u>8.2</u>
Magnesium, Mg	<u>7.3</u>	<u>0.6</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>7.6</u>
Specific Gravity, 60/60 F.	<u>1.0035</u>
Resistivity (ohm-meters) <u>70</u> F.	<u>3.10</u>

Total Dissolved Solids (calc.)

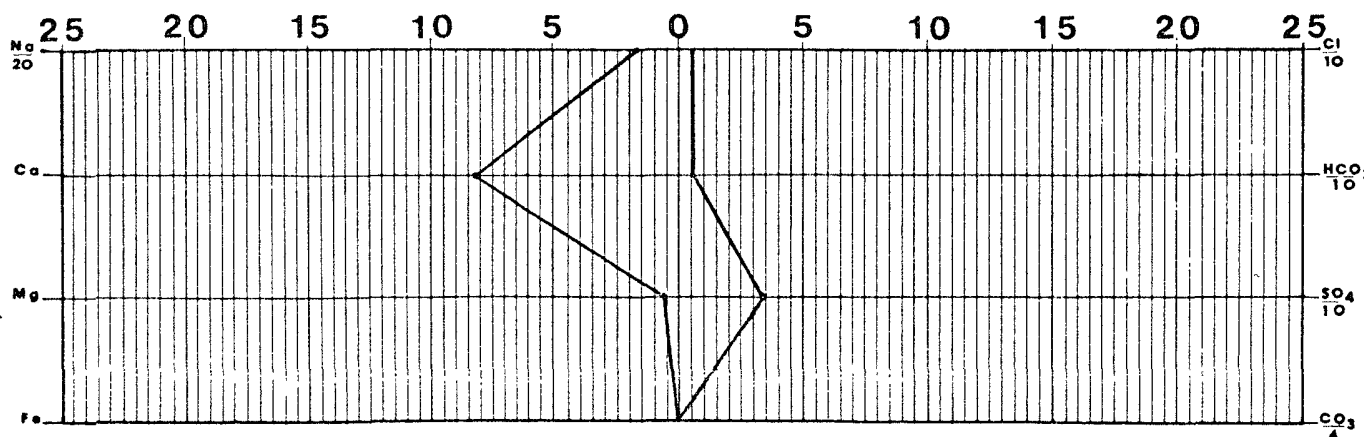
3100

ANIONS

Chloride, Cl	<u>190</u>	<u>5.5</u>
Sulfate, SO_4	<u>1600</u>	<u>33</u>
Carbonate, CO_3	<u>0</u>	<u>0</u>
Bicarbonate, HCO_3	<u>330</u>	<u>5.4</u>

Iron, Fe (total)
Sulfide, as H_2S

REMARKS & RECOMMENDATIONS



Date Received <u>9/30/91</u>	Preserved <u>No</u>	Date Analyzed <u>9/30-10/1/91</u>	Analyzed By <u>ED</u>
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